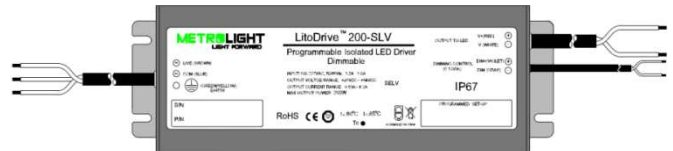


# Metrolight LitoDrive™ HV 200/S\* Programmable LED Driver

## 200W Single Output, 347/480V Input



### Overview

Metrolight LED driver technology offers highly efficient, proven and programmable solution that drives and controls LEDs at a competitive price.

The driver offers complete adaptability to the LED design and user's needs.

Once selecting the required output current (which can be re-programmed at any time) the driver automatically applies the adequate current and voltage to the LEDs.

Any LED design change which may be required in the future, involves mere programming of the LED driver to the newly required current.

The LED driver incorporates unique control capabilities including: 0-10V/0-5V/PWM analog dimming, and on-board dimming profile.

The LED driver is approved by UL and TUV including CB report.

### Benefits

- Universal AC input Full range (200Vac up to 528Vac)
- Reprogramming of output current at any time.
- Isolated Driver suitable for Class II applications.
- Self-adapting Output Voltage, with large range of output voltages to match different LED loads
- High power factor, Low harmonic current
- High Efficiency (up to 93%)
- Protections: Short circuit, Over Current, Over Voltage, Over Temperature
- 4 in 1 dimming function control (0-10Vdc / 0-5Vdc, PWM signal, resistance, auto profile dimming)
- **Cut-OFF option via the dimming control signal on S version unit.**
- Programmable set-up via PC or via Infrared Remote control
- Up to 5 levels of programmable auto profile dimming
- IP67 design for indoor or outdoor installations
- Suitable for LED lighting and street lighting applications
- 5 years warranty
- Low Cost

LitoDrive - HV 200/S-SLV-  
XXXX-YY

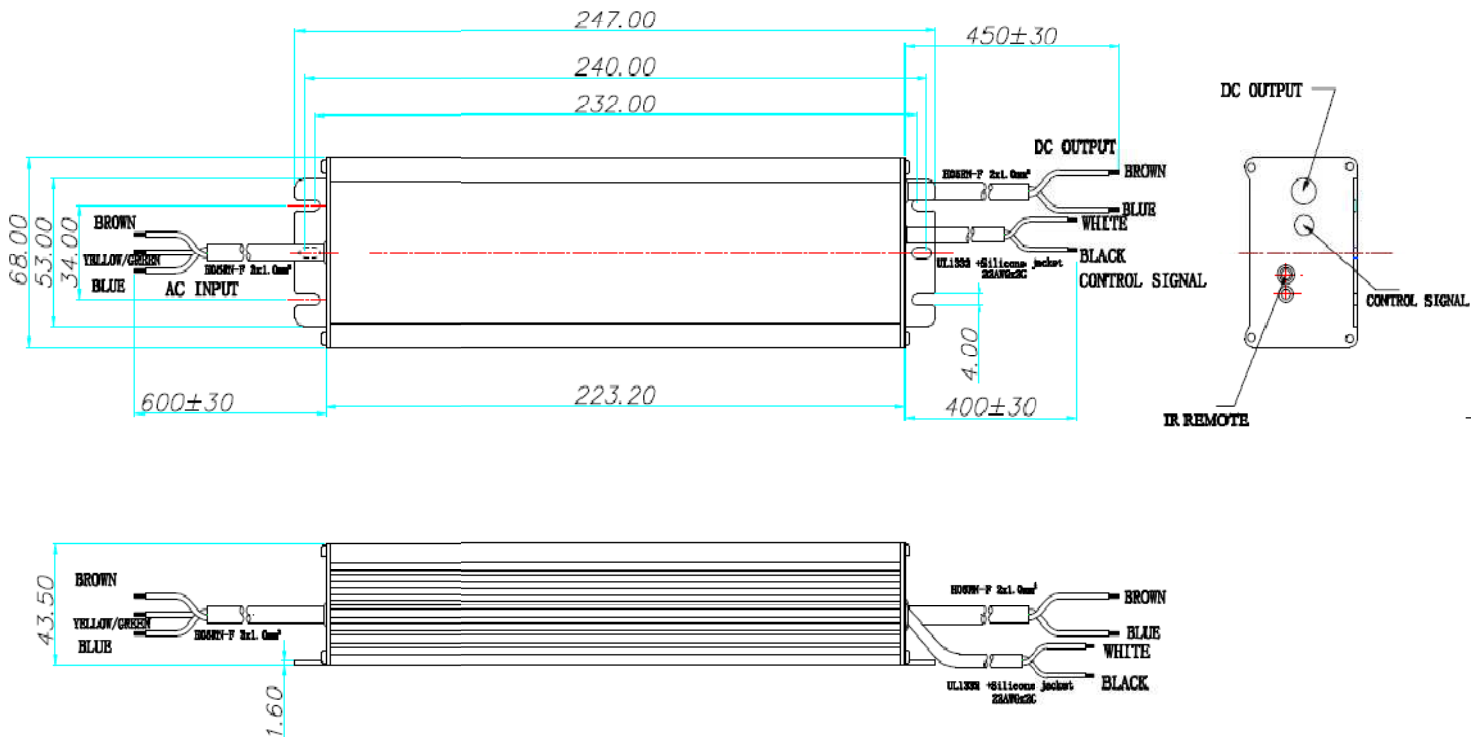
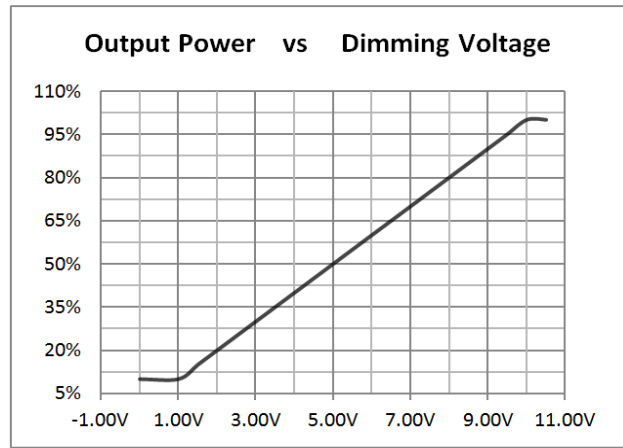
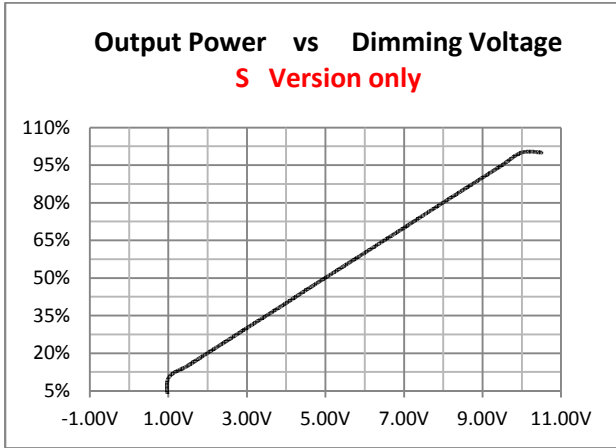
200 is the maximum output power; XXXX defines the initial output current (e.g.0630 =0.63A, 6300 =6.3A), YY defines the country (EU= Europe, US= USA).

**\*S option provides CUT-OFF.**

## Operating Specifications

Model		LitoDrive™ 200HV/S-SLV
OUTPUT	Output Current Range	0.27-2.65A
	Output Voltage	7-78VDC
	Rated Power	200W
	Ripple Current	5% MAX
	Output current regulation	±3%
	Turn-on Rise time	300mS max. @ Full load
INPUT	Voltage range	200-528VAC (Nominal 220-480VAC)
	Frequency Range	47Hz-63Hz
	Power Factor(Typ.)	PF>0.98 at 347VAC
	Efficiency (Typ.)	90%
	AC Current	2.5A@200VAC @ Full Load
	Inrush Current	75A max @ 480VAC input
PROTECTION	Over Voltage	<80Vdc When output voltage is over the limitation, the product will shut down. Recovery when the fault condition is removed.
	Short Circuit	The input power decrease when the output rail is shorted. No damage to the Driver. Recovery when the fault condition is removed.
	Over Temperature	When Tc > 90°C, the output current may decreases to protect the LED driver. When temperature case reduced to below 85°C, the current returned to the full set-up value. The minimum output current will be limited to 30% (typ.) of the rated output current in OTP function. The LED driver could survive in 125°C, for 2hrs.
ENVIRONMENT	Operating Temp.	-40~70°C
	Operating Humidity	95% RH
	Storage Temp	-40~85°C
	Water proof	IP67
	Vibration	The LED Driver can survive vibration towards three mutually perpendicular direction (X, Y, Z), each direction for 72 minutes. The vibration is in accordance with the sine wave with 2mm amplitude, and its frequency range from 10Hz to 500Hz with 5G acceleration
RELIABILITY	MTBF	>212KHours @ 25°C (Per MIL 217 @ 480VAC & 80% Load)
	Lifetime	The life time shall be at least 10 years at 40°C (t yp. 12hours per day) at full load and nominal input condition.
SAFETY & EMC	Safety Standards	UL8750, EN61347-1/A2:2013, EN61347-2-13: 2006, IEC61347-1, IEC61347-2-13, EN62493 F2010 C GB19510.1-2009, GB19510.14-2009,
	Withstand Voltages	I/P-O/P: 3750VAC I/P-FG: 1650VAC O/P-FG: 500VAC
	Surges Protection	Complying with IEEE C62.41 Category C <sub>low</sub> , Phase to Neutral 6KV/3KA, Line to Ground 10KV/1KA
	Isolation Resistance	50MΩ min. at primary to secondary with 500Vdc test voltage
	EMC Emission	Compliance to EN55015 (CISPR15), EN61000-3-2; EN61000-3-3, GB17743, GB17625.1
	EMC Immunity	Compliance to EN61547; EN55042, EN61000-4-2,3,4,5,6,8,11, GB/T18595, GB17626
MECHANICAL	Dimensions	207*80*40mm, 8.14*3.14*1.57 Inch.
	Weight	1200±50g
	Color	BLACK
	Packaging	10pcs/12Kg
DIMMING	0 -10V Analog dimming With CUT-OFF function*	See Output Power VS Dimming Voltage Graph for dimming performance. <b>When dimming voltage is below 1V, the output will be CUT-OFF!</b>
NOTE	1.	Ripple current measured at full bandwidth.
	2.	Since EMC performance depends on the installation, manufacturers must re-qualify EMC on the complete installation

**\*On S version only**



**Mechanical Dimensions**